

AMENDMENTS TO THE CLAIMSListing of the Claims:

Following is a listing of all claims in the present application, which listing supersedes all previously presented claims:

Claims 1-7. (Canceled)

8. (Currently Amended) An evacuation method in an ion implantation system including an ion generator and a vacuum apparatus including a vacuum line, the method comprising:

injecting an inert gas into ~~the~~ an interior of the ion generator and the vacuum line to equalize an internal ~~and external pressures~~ pressure of the ion generator and the vacuum line to atmospheric pressure;

opening the ion generator to clean the interior thereof or to replace a damaged part;

closing the ion generator; and

injecting the inert gas into the interior of the ion generator and the vacuum line to remove ~~the~~ air from the ~~inside~~ interior of the ion generator and the vacuum line before evacuating the interior of the ion generator and the vacuum line, so that oxygen does not react with an inflammable impurity ~~inside~~ in the interior of the ion generator and the vacuum line during evacuation.

9. (Currently Amended) The method as claimed in claim 8, wherein the inert gas is ~~selected from the group consisting of an argon gas and a nitrogen gas.~~

10. (Currently Amended) The method as claimed in claim 8, wherein the inflammable impurity includes phosphorus, hydrogen ~~and~~ or magnesium.